

High Current Connectors - UHV 25-KH/M8 - 2130305

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High-current connector with bolt connection, cross section: 6 - 25 mm², AWG: 10 - 4, width: 26 mm, color: gray

The figure shows a combination of versions UHV 25-AS/AS, UHV 25-KH/AS and UHV 25-KH/KH

Your advantages

- ✓ The comprehensive range of accessories, such as the connection rail for cross connection, ensures safe and user-friendly wiring of conductors up to 240 mm²
- ✓ The UHV ... high-current connectors are available in several versions
- ✓ Versions are available with a cable lug or direct connection and there is a mixed version of both connection methods

RoHS

Key Commercial Data

Packing unit	10 pc
GTIN	 4 017918 053086
GTIN	4017918053086

Technical data

General

Number of levels	1
Number of connections	2
Potentials	1
Nominal cross section	25 mm ²
Color	gray
Insulating material	PA-F
Flammability rating according to UL 94	HB
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	II

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Technical data

General

Maximum power dissipation for nominal condition	3.26 W
Maximum load current	101 A (with 25 mm ² conductor cross section)
Nominal current I _N	101 A
Nominal voltage U _N	1000 V
Open side panel	No

Dimensions

Width	26 mm
Length	88 mm
Height NS 35/15	53 mm

Connection data

Connection	1 level
Connection method	Screw connection
Screw thread	M8
Stripping length	21 mm
Tightening torque, min	15 Nm
Tightening torque max	20 Nm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	6 mm ²
Conductor cross section solid max.	25 mm ²
Conductor cross section AWG min.	10
Conductor cross section AWG max.	3
Conductor cross section flexible min.	10 mm ²
Conductor cross section flexible max.	25 mm ²
Min. AWG conductor cross section, flexible	8
Max. AWG conductor cross section, flexible	3
Conductor cross section flexible, with ferrule without plastic sleeve min.	4 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	25 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	4 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	25 mm ²
2 conductors with same cross section, solid min.	2.5 mm ²
2 conductors with same cross section, solid max.	10 mm ²
2 conductors with same cross section, stranded min.	4 mm ²
2 conductors with same cross section, stranded max.	10 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	2.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	10 mm ²
Power rail	15 mm x 3 mm

Standards and Regulations

Connection in acc. with standard	CSA
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Standards and Regulations

	IEC 60947-7-1
Flammability rating according to UL 94	HB

Environmental Product Compliance

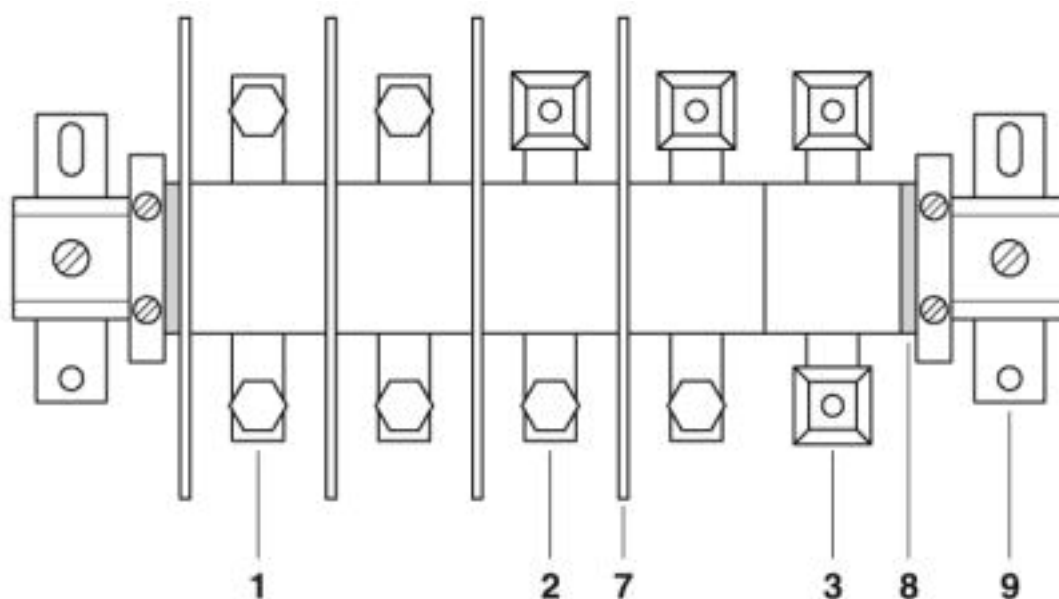
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Circuit diagram



Schematic diagram



- 1 = high current connector, AS screw set on both sides
- 2 = high current connector, terminal sleeve KH on one side, screw set AS on the other side
- 3 = high current connector, terminal sleeves KH on both sides, for direct cable connection
- 7 = separating plate
- 8 = end piece
- 9 = flat bracket

Approvals

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Approvals

Approvals

DNV GL / CSA / UL Recognized / EAC / EAC

Ex Approvals

Approval details

DNV GL		https://approvalfinder.dnvgl.com/	TAE00001CT
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CSA		http://www.csagroup.org/services-industries/product-listing/	13631
	B	C	
Nominal voltage UN	600 V	600 V	
Nominal current IN	100 A	100 A	
mm²/AWG/kcmil	6-4	6-4	

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
Nominal voltage UN	600 V		
Nominal current IN	85 A		
mm²/AWG/kcmil	6-4		

EAC		EAC-Zulassung
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EAC		RU C- DE.BL08.B.00540
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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>